

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61K39/02 A61P31/04 C12N1/20 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (dassification system followed by classification symbols) IPC 7 A61K Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ, CHEM ABS Data, BIOSIS C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with Indication, where appropriate, of the relevant passages Relevant to claim No. EP 1 074 266 A2 (AKZO NOBEL N.V; THE BOARD 1-11 OF GOVERNORS FOR HIGHER EDUCATION, STATE OF) 7 February 2001 (2001-02-07) page 1, paragraph 1 page 1, paragraph 5 - page 2, paragraph 10 claims RITTER A ET AL: "The Pai-associated leuX Υ 1-11 specific tRNA5(Leu) affects type 1 fimbriation in pathogenic Escherichia coli by control of FimB recombinase expression." MOLECULAR MICROBIOLOGY. SEP 1997, vol. 25, no. 5, September 1997 (1997-09), pages 871-882, XP002316124 ISSN: 0950-382X the whole document Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: *T* later document published after the International filing date or priority date and not in conflict with the application but "A" document defining the general state of the art which is not cited to understand the principle or theory underlying the considered to be of particular relevance invention •E• earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to "L" document which may throw doubts on priority claim(s) or involve an inventive step when the document is taken alone which is cited to establish the publication date of another document of particular relevance; the claimed invention citation or other special reason (as specified) cannot be considered to involve an inventive step when the "O" document referring to an oral disclosure, use, exhibition or document is combined with one or more other such docuother means ments, such combination being obvious to a person skilled in the art. document published prior to the international filing date but later than the priority date claimed *&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 24/02/2005 2 February 2005 Name and mailing address of the ISA **Authorized officer** European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Rankin, R Fax: (+31-70) 340-3016

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT Category Citation of document, with indication, where appropriate of the relevant passages							
Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.						
NEWMAN J V ET AL: "Role of leuX in Escherichia coli colonization of the streptomycin-treated mouse large intestine." MICROBIAL PATHOGENESIS. NOV 1994, vol. 17, no. 5, November 1994 (1994-11), pages 301-311, XP002316125 ISSN: 0882-401(the whole document	1-11						
DATSENKO KIRILL A ET AL: "One-step inactivation of chromosomal genes in Escherichia coli K-12 using PCR products" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 97, no. 12, 6 June 2000 (2000-06-06), pages 6640-6645, XP002210218 ISSN: 0027-8424 the whole document	1-11						

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	NEWMAN J V ET AL: "Role of leuX in Escherichia coli colonization of the streptomycin-treated mouse large intestine." MICROBIAL PATHOGENESIS. NOV 1994, vol. 17, no. 5, November 1994 (1994–11), pages 301–311, XP002316125 ISSN: 0882-401(the whole document DATSENKO KIRILL A ET AL: "One-step inactivation of chromosomal genes in Escherichia coli K-12 using PCR products" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 97, no. 12, 6 June 2000 (2000–06–06), pages 6640-6645, XP002210218 ISSN: 0027-8424						

International application No.

PCT/US2004/027896

Вох	No. I	Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)
1.	With inver	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed tion, the international search was carried out on the basis of:
	a.	type of material
		a sequence listing
		table(s) related to the sequence listing
	b.	format of material
		In written format
		in computer readable form
	C.	time of filing/furnIshIng
		X contained in the international application as filed
		filed together with the international application in computer readable form
		X furnished subsequently to this Authority for the purpose of search
2.		In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3.	Addit	onal comments:
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unational Application No	
roational Application No PCT/US2004/02789	6

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Form PCT/ISA/210 (patent family annex) (January 2004)